Patent Claims

1. Method for calculating an individual progressive lens characterized by the following steps:

- Creating one or more basic designs for lenses on the basis of theoretical specifications,

- Creating standard designs from these basic designs,

- Calculating individual progressive lenses from the starting designs, corresponding to the individual data for wearing test subjects,

- Creating the final standard designs for production and

- Calculating the individual lenses from the starting designs according to individual customer data.

2. Method as claimed in Claim 1, characterized in that the individual lenses are calculated from the starting designs according to individual customer data in the following steps:

- Selecting a starting surface from the starting design,

- Replacing the standard values by individual customer data,

- Calculating the object distance and accommodation model,

- Arranging the lens with respect to the eye according to the individual parameters,

- Taking into account the new lens parameters,

- Calculating a toric superimposed surface, preferably an atoric superimposed surface,

- Converting the atoric superimposed surface into an optimization spline,

- Calculating the new principal line of vision,

- Interpolation and transformation of the setpoint specifications,

- Optimizing the individual lens and

- Expanding the progressive area.